



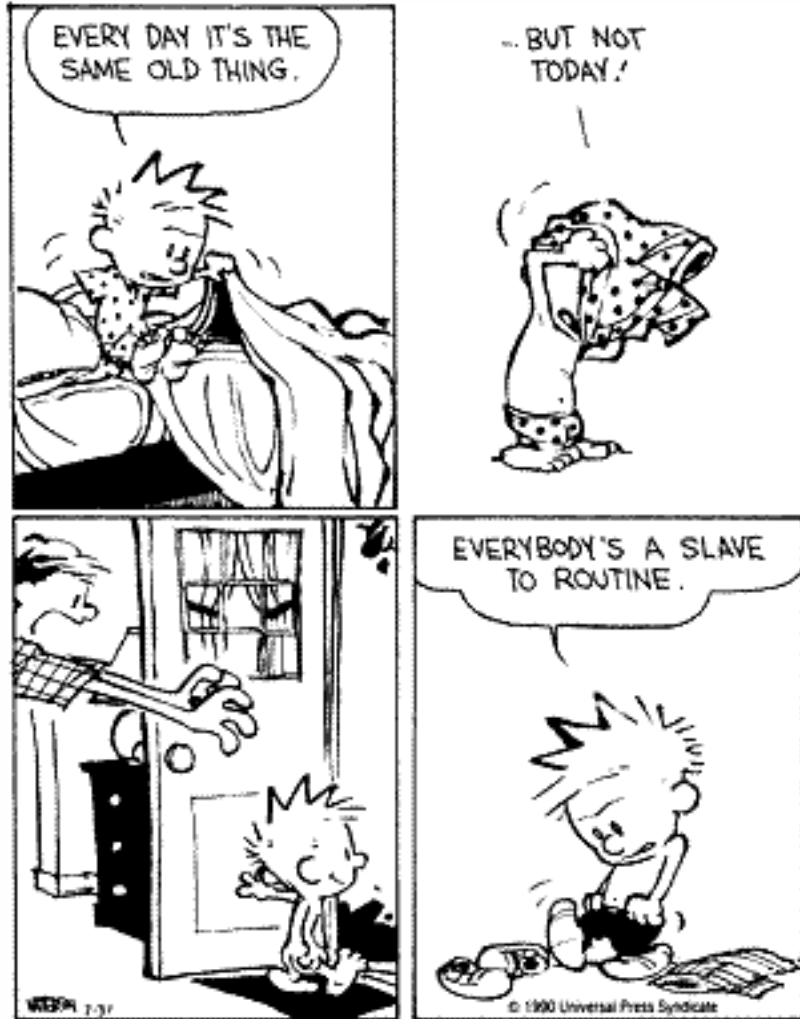
{EPITECH}

My_Marvin

Kick-off



Your daily routine



- Coding (sometimes devastatingly bad 😊)
- [Compiling your code]
- Checking your code, your logic
- Debugging your code
- Fixing and adjusting your code
- Deploying a new version of your code
- [Breaking something]
- Doing all this again, and again, and again...



What if you ...



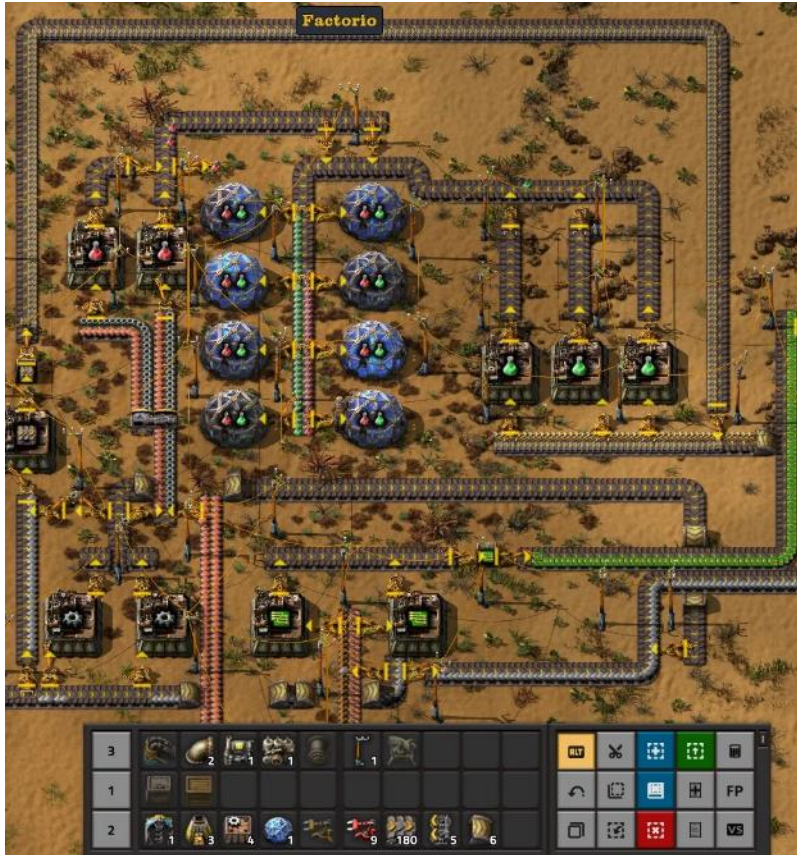
- push a non-compiling program at the last minute?
- push a breaking change that has not been tested?
- push a code not respecting the coding style?
- make a typo somewhere in your code?
- forgot a step during the deployment process?

} The answer to all those issues





The remedy to all those issues: **AUTOMATION**



- Set of tools & practices reducing human intervention ;
- Main advantages are:
 - Increased productivity, robustness, quality, ... ;
 - Reduced cycle time, human labor costs and expenses ;
 - Relieving humans of monotonously repetitive work ;
 - Increased human freedom to do other things...



Pipelines



- Set of connected data processing elements
- **Continuous Integration & Continuous Deployment**
- Automatically handles the integration and deployment
- The magic happens usually with just a push
- The magician is the automation platform



Jenkins



- popular open-source automation platform
- tons of plug-ins
- extremely customizable



Epitech's Marvin



- used by your school to evaluate your projects
- can test 50 projects simultaneously
- very efficient, fast and scalable
- you already love it 😊

Thank you



Any questions?